



**DATE:** July 12, 2018

**TO:** Recycling Board/Local Task Force

**FROM:** Wendy Sommer, Executive Director

**BY:** Anu Natarajan, Legislative & Regulatory Affairs Manager

**SUBJECT:** Five Year CoIWMP Review

---

## **SUMMARY**

CalRecycle requests a five year review report be submitted indicating whether the Countywide Integrated Waste Management Plan (CoIWMP) needs to be updated. Our last five year review was submitted to CalRecycle in 2015 (although technically due in 2013), which was followed up by a voluntary factual update conducted in 2015. The intent of the review is to ensure that the programs included will comply with the State mandated 50% diversion goal, and to show 15 years of landfill capacity. Both in 2015 and currently, all of our cities exceed the 50% diversion goal, now expressed in disposal pounds per person, and the county has significantly more than 15 years of landfill capacity.

Since 2012, the Recycling Board has been operating as the Local Task Force under State law. The role of the Local Task Force is to review and provide input, as needed, on any proposed changes or amendments to the CoIWMP and 5-year review reports. This meeting serves as an opportunity to receive comments from the Recycling Board.

## **DISCUSSION**

To implement the California Integrated Waste Management Act (AB 939, Sher, Chapter 1095, Statutes of 1989 as amended [IWMA]), counties were required to prepare and submit to the California Integrated Waste Management Board (effective January 1, 2010, the Department of Resources Recycling and Recovery, or CalRecycle) a Countywide Integrated Waste Management Plan (CIWMP or CoIWMP). This plan includes the Source Reduction and Recycling Element (SRRE), Household Hazardous Waste Element (HHWE), and Nondisposal Facility Element (NDFE) for each jurisdiction in the county, and a Countywide Siting Element (SE) and Summary Plan (SP) for the county. A county's five-year review report is an analysis regarding the continuing adequacy of the most recently amended individual planning documents.

Landfill capacity: The remaining landfill capacity for Alameda County is conservatively estimated to last over 30 years. This will depend on actual rates of fill and landfill compaction rates. The Countywide diversion rate, estimated using the State's current disposal based methodology was 72% in 2016, the latest year for which data is available.

Plan Review: The waste management plan addresses waste management conditions within the respective county or regional agency. It also provides an overview of the actions that will be taken to achieve the 50% disposal target and to maintain 15-year disposal capacity. The focus of the five-year review is to determine if the planning documents are still adequate or should be revised.

Our review of the current Countywide Integrated Waste Management Plan finds a number of policies and projects that need to be updated. While an update is not required by the State, since the Agency and stakeholders use the CoIWMP for various purposes, we plan to update the document later this year.

## **RECOMMENDATION**

Staff recommends that the Recycling Board, in its role as the Local Task Force, review the proposed 5-year review report, and provide comments (if any).

## **Attachment**

Five-year CoIWMP Review Report 2018 (CalRecycle Form 709)

**CALRECYCLE FORM 709**  
**Five-Year CIWMP/RAIWMP Review Report Template**

Public Resources Code (PRC) Sections 41770 and 41822, and Title 14, California Code of Regulations (CCR) Section 18788 require that each countywide or regional agency integrated waste management plan (CIWMP or RAIWMP), and the elements thereof, be reviewed, revised if necessary, and submitted to the Department of Resources Recycling and Recovery (CalRecycle) every five years. CalRecycle developed this Five-Year CIWMP/RAIWMP Review Report template to streamline the Five-Year CIWMP/RAIWMP review, reporting, and approval process.

A county or regional agency may use this template to document its compliance with these regulatory review and reporting requirements and as a tool in its review, including obtaining Local Task Force (LTF) comments on areas of the CIWMP or RAIWMP that need revision, if any. This template also can be finalized based on these comments and submitted to CalRecycle as the county or regional agency's Five-Year CIWMP or RAIWMP Review Report.

The [Five-Year CIWMP/RAIWMP Review Report Template Instructions](#) describe each section and provide general guidelines with respect to preparing the report. Completed and signed reports should be submitted to the CalRecycle's Local Assistance & Market Development (LAMD) Branch at the address below. Upon report receipt, LAMD staff may request clarification and/or additional information if the details provided in the report are not clear or are not complete. Within 90 days of receiving a *complete* Five-Year CIWMP/RAIWMP Review Report, LAMD staff will review the report and prepare their findings for CalRecycle consideration for approval.

If you have any questions about the Five-Year CIWMP/RAIWMP Review Report process or how to complete this template, please contact your LAMD representative at (916) 341-6199. Mail the completed and signed Five-Year CIWMP/RAIWMP Review Report to:

Dept. of Resources Recycling & Recovery  
Local Assistance & Market Development, MS-9  
P. O. Box 4025  
Sacramento, CA 95812-4025

<b>SECTION 1.0 COUNTY OR REGIONAL AGENCY INFORMATION</b>			
I certify that the information in this document is true and correct to the best of my knowledge, and that I am authorized to complete this report and request approval of the CIWMP or RAIWMP Five-Year Review Report on behalf of:			
County or Regional Agency Name  ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY		County(s) [if a RAIWMP Review Report]	
Authorized Signature		Title  Executive Director	
Type/Print Name of Person Signing Wendy Sommer		Date	Phone (510)-891-6500
Person Completing This Form (please print or type) Anu Natarajan		Title Legislative Affairs Manager	Phone (510)-891-6519
Mailing Address 1537 Webster Street	City Oakland	State CA	Zip 94612
E-mail Address <a href="mailto:anatarajan@stopwaste.org">anatarajan@stopwaste.org</a>			

**SECTION 2.0 BACKGROUND**

This is Alameda County's FOURTH Five-Year Review Report since the approval of the CIWMP.

The following changes have occurred since the approval of the County's planning documents or the last Five-Year CIWMP Review Report (whichever is most recent):

- Diversion goal reduction
- New regional agency
- Changes to regional agency
- New city (name(s) \_\_\_\_\_)
- Other \_\_\_\_\_

*Additional Information (optional)*

The CoIWMP was updated in 2011 to reflect the Agency's strategic plan objectives and programs. This update reflects the Agency's on-going commitment to the strategic plan goals and objectives. The CoIWMP was further amended in March 2015 for factual updates, separate and apart from various amendments for facility conformance. The most recent facility conformance amendment was March 2017.

The Agency is embarking on a comprehensive review of its CIWMP to update programs and policies.

**SECTION 3.0 LOCAL TASK FORCE REVIEW**

a. In accordance with Title 14 CCR, Section 18788, the Local Task Force (LTF) reviewed each element and plan included in the CIWMP and finalized its comments

at the LTF meeting.  electronically (fax, e-mail)  other (Explain):

b. The County received the written comments from the LTF on xxxx

c. A copy of the LTF comments

is included as Appendix \_\_\_\_\_.

was submitted to CalRecycle on \_\_\_\_\_.

**SECTION 4.0 TITLE 14, CALIFORNIA CODE of REGULATIONS SECTION 18788 (3) (A) THROUGH (H)**

The subsections below address not only the areas of change specified in the regulations, but also provide specific analyses regarding the continued adequacy of the planning documents in light of those changes, including a determination on any need for revision to one or more of the planning documents.

**Section 4.1 Changes in Demographics in the County or Regional Agency**

When preparing the CIWMP Review Report, the county or regional agency must address at least the changes in demographics.

The following resources are provided to facilitate this analysis:

1. Demographic data, including population, taxable sales, employment, and consumer price index by jurisdiction for years up to 2006, are available at: <http://www.calrecycle.ca.gov/LGCentral/Tools/DivMeasure/JuAdjFac.asp>. Data for years beyond 2006 can be found on the following websites:
  - Population: [Department of Finance](#)
  - Taxable Sales: [Board of Equalization](#)
  - Employment: [Employment Development Department](#) Click on the link to Local Area Profile, select the county from the drop down menu, then click on the "View Local Area Profile" button.
  - Consumer Price Index: [Department of Industrial Relations](#)

2. The Demographic Research Unit of the California Department of Finance is designated as the single official source of demographic data for State planning and budgeting (e.g., find E-5 City/County Population and Housing Estimates under Reports and Research Papers and then Estimates).
3. The Department of Finance’s Demographic Research Unit also provides a list of State Census Data Center Network Regional Offices.

Table 1: DEMOGRAPHICS IN CITIES OF ALAMEDA COUNTY

<b>POPULATION OF JURISDICTION</b>	<b>2014</b>	<b>2018</b>	<b>% CHANGE</b>
City of Alameda	75,988	78,863	3.6%
City of Albany	18,472	19,053	3.04%
City of Berkeley	117,372	121,874	3.6%
City of Dublin	53,462	63,241	15.4%
City of Emeryville	10,491	11,994	12.5%
City of Fremont	223,972	235,439	4.8%
City of Hayward	151,037	162,030	6.7%
City of Livermore	84,952	91,411	7.06%
City of Newark	43,856	47,467	7.6%
City of Oakland	404,355	428,827	5.7%
City of Piedmont	11,023	11,318	2.6%
City of Pleasanton	73,067	79,201	7.7%
City of San Leandro	87,691	87,598	-0.10%
City of Union City	72,155	72,991	1.1%
Unincorporated Population	145,461	148,895	2.3%
<b>Total Countywide Population</b>	<b>1,573,254</b>	<b>1,660,202</b>	<b>5.5%</b>

Source: CA Department of Finance

Table 2: EMPLOYMENT

Employment Factor	2014	2017	% Change
	762,900	817,400	7.14%

Source: CA Employment Development Department

Table 3: TAXABLE SALES

Taxable Sales 2012 (in 1000s)	Taxable Sales 2016 (in 1000s)	% Change
28,377,714	30,958,480	8.34%

Source: Board of Equalization

### Analysis

Upon review of demographic changes since 2014:<sup>1</sup>

- The demographic changes since the development of the CIWMP do not warrant a revision to any of the Countywide planning documents.
- These demographic changes since the development of the CIWMP warrant a revision to one or more of the Countywide planning documents. Specifically,. See Section 7 for the revision schedule(s).

### Additional Analysis (optional)

#### **Section 4.2 Changes in Quantities of Waste within the County or Regional Agency; and Changes in Permitted Disposal Capacity and Waste Disposed in the County or Regional Agency**

A number of tools to facilitate the analysis and review of such changes in the waste stream are available from the following CalRecycle sources:

1. Various statewide, regional, and local disposal reports are available at <http://www.calrecycle.ca.gov/LGCentral/Reports/DRS/Default.aspx>.
  - a. CalRecycle's Disposal Reporting System tracks and reports the annual estimates of the disposal amounts for jurisdictions in California; additional California solid waste statistics are also available.
  - b. CalRecycle's Waste Flow by Destination or Origin reports include solid waste disposal, export, and alternative daily cover. They show how much waste was produced within the boundaries of an individual city, or within all jurisdictions comprising a county or regional agency. These data also cover what was disposed at a particular facility or at all facilities within a county or regional agency.
2. The Waste Characterization Database provides estimates of the types and amounts of materials in the waste streams of *individual California jurisdictions* in 1999. For background information and more recent statewide characterizations, please see <https://www2.calrecycle.ca.gov/WasteCharacterization/Study/>
3. CalRecycle's Countywide, Regionwide, and Statewide Jurisdiction Diversion Progress Report provides both summary and detailed information on compliance, diversion rates/50 percent equivalent per capita disposal target and rates, and waste diversion program implementation for all California jurisdictions. Diversion program implementation summaries are available at <http://www.calrecycle.ca.gov/lgcentral/reports/diversionprogram/jurhist.aspx> and <http://www.calrecycle.ca.gov/lgcentral/reports/diversionprogram/jurhist.aspx>.

Together, these reports help illustrate changes in the quantities of waste within the county or regional agency as well as in permitted disposal capacity. This information also summarizes each jurisdiction's progress in implementing the Source Reduction and Recycling Element (SRRE) and complying with the 50 percent diversion rate requirement (now calculated as the 50 percent equivalent per capita disposal target), see Per Capita

---

<sup>1</sup> The year of the data included in the planning documents, which is generally 1990 or 1991.

Disposal and Goal Measurement (2007 and Later) for details

- The county or regional agency (if it includes the entire county) continues to have adequate disposal capacity (i.e., equal to or greater than 15 years).
- The County does not have 15 years remaining disposal capacity within its physical boundaries, but the Siting Element does provide a strategy<sup>2</sup> for obtaining 15 years remaining disposal capacity.
- The County does not have 15 years remaining disposal capacity and the Siting Element does not provide a strategy<sup>2</sup> for obtaining 15 years remaining disposal capacity. See Section 7 for the revision schedule(s).

---

<sup>2</sup> Such a strategy includes a description of the diversion or export programs to be implemented to address the solid waste capacity needs. The description shall identify the existing solid waste disposal facilities, including those outside of the county or regional agency, which will be used to implement these programs. The description should address how the proposed programs shall provide the county or regional agency with sufficient disposal capacity to meet the required minimum of 15 years of combined permitted disposal capacity.

Jurisdiction	1990	1995	2000	2005	2010	2011	2012	2013	2014	2015	2016
Alameda	96,383	59,671	49,410	49,962	37,710	40,967	36,625	35,121	35,880	32,036	33,626
Albany	18,483	11,909	10,779	9,575	5,655	7,202	5,428	6,427	5,989	6,096	5,447
Berkeley	155,358	109,658	139,790	120,328	63,127	69,145	73,917	60,659	68,874	67,246	92,311
Dublin	41,707	35,895	30,635	41,779	24,860	27,383	24,478	27,919	34,787	34,731	33,643
Emeryville	26,816	14,738	24,938	17,571	13,341	20,855	18,052	17,973	10,811	8,419	12,429
Fremont	221,000	185,576	203,701	193,963	135,606	142,836	144,771	138,179	158,694	160,861	168,694
Hayward	215,837	144,208	172,482	144,139	119,483	108,371	106,953	101,757	93,153	106,975	110,625
Livermore	80,621	86,205	112,699	91,577	65,600	64,031	57,720	57,317	60,456	64,811	65,998
Newark	58,298	51,999	52,298	45,760	35,241	31,429	31,370	35,891	33,081	36,190	32,312
Oakland	583,298	488,676	392,776	383,505	287,823	292,298	284,151	281,139	269,850	254,262	263,917
Piedmont	9,486	6,664	5,763	6,204	3,994	4,999	4,731	3,304	3,026	3,156	4,489
Pleasanton	105,692	98,534	126,420	121,034	73,852	70,102	77,170	80,682	74,666	91,292	97,599
San Leandro	140,782	98,188	119,310	110,192	83,714	61,727	103,238	115,220	73,145	76,743	99,228
Union City	136,488	66,762	57,281	63,287	36,854	39,653	36,778	36,959	37,208	36,223	37,813
Unincorporated Alameda County	168,590	83,833	81,370	102,206	83,036	59,812	71,243	71,235	76,340	70,996	47,171
	1990	1995	2000	2005	2010	2011	2012	2013	2014	2015	2016
Total	2,058,839	1,542,516	1,579,652	1,501,082	1,069,896	1,040,810	1,076,625	1,069,782	1,035,960	1,050,037	1,105,303

### Diversion Rates by Jurisdiction (based on CalRecycle formula)

Jurisdiction	1990	1995	2000	2005	2010	2011	2012	2013	2014	2015	2016
Alameda	15%	48%	65%	68%	75%	72%	76%	77%	76%	79%	79%
Albany	20%	42%	62%	70%	83%	79%	84%	81%	82%	82%	84%
Berkeley	18%	41%	49%	53%	76%	74%	73%	78%	75%	76%	68%
Dublin	12%	26%	54%	55%	75%	73%	76%	74%	70%	71%	73%
Emeryville	10%	51%	48%	64%	77%	65%	70%	70%	83%	87%	82%
Fremont	19%	49%	62%	63%	74%	73%	72%	74%	71%	71%	69%
Hayward	9%	41%	52%	62%	67%	71%	72%	74%	76%	73%	73%
Livermore	4%	26%	50%	63%	73%	74%	77%	77%	76%	75%	76%
Newark	15%	27%	53%	62%	69%	72%	73%	69%	72%	69%	73%
Oakland	11%	27%	52%	58%	65%	65%	66%	67%	68%	71%	71%
Piedmont	25%	47%	63%	64%	75%	69%	71%	80%	82%	81%	73%
Pleasanton	15%	28%	48%	53%	71%	73%	70%	69%	72%	67%	64%
San Leandro	10%	34%	51%	59%	69%	77%	62%	58%	74%	73%	64%
Union City	11%	49%	61%	62%	77%	75%	77%	77%	78%	78%	77%
Unincorporated Alameda County	10%	56%	65%	60%	67%	76%	72%	72%	71%	73%	82%
	1990	1995	2000	2005	2010	2011	2012	2013	2014	2015	2016
Countywide Weighted Rate	14%	37%	54%	60%	70%	72%	71%	71%	73%	73%	72%

#### Analysis

- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP do not warrant a revision to any of the Countywide planning documents.
- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP warrant a revision to one or more of the planning documents.

#### Additional Analysis (optional)

### Section 4.3 Changes in Funding Source for Administration of the Siting Element (SE) and Summary Plan (SP)

Since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent), the County experienced the following significant changes in funding for the SE or SP:

Analysis

- There have been no significant changes in funding for administration of the SE and SP or the changes that have occurred do not warrant a revision to any of the Countywide planning documents. Specifically.
- These changes in funding for the administration of the SE and SP warrant a revision to one or more of the Countywide planning documents. Specifically. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

**Section 4.4 Changes in Administrative Responsibilities**

The County experienced significant changes in the following administrative responsibilities since the approval of the CIWMP or the last Five-Year\_Review Report (whichever is most recent):

Analysis

- There have been no significant changes in administrative responsibilities or the changes in administrative responsibilities do not warrant a revision to any of the planning documents. Specifically,
- These changes in administrative responsibilities warrant a revision to one or more of the planning documents. Specifically. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

The Alameda County Waste Management Authority (as a Joint Powers Agency) , acts on behalf of the County of Alameda for the administrative responsibilities described above.

**Section 4.5 Programs that Were Scheduled to Be Implemented, But Were Not**

This section addresses programs that were scheduled to be implemented, but were not; why they were not implemented; the progress of programs that were implemented; a statement as to whether programs are meeting their goals; and if not, what contingency measures are being enacted to ensure compliance with Public Resources Code Section 41751.

1. Progress of Program Implementation

a. SRRE and Household Hazardous Waste Element (HHWE)

- All program implementation information has been updated in the CalRecycle Electronic Annual Report (EAR), including the reason for not implementing specific programs, if applicable.
- All program implementation information has not been updated in the EAR. Attachment lists the SRRE and/or HHWE programs selected for implementation, but which have not yet been implemented, including a statement as to why they were not implemented.

b. Nondisposal Facility Element (NDFE)

- There have been no changes in the use of nondisposal facilities (based on the current NDFEs and any amendments and/or updates).
- Attachment lists changes in the use of nondisposal facilities (based on the current NDFEs).

c. Countywide Siting Element (SE)

There have been no changes to the information provided in the current SE.

Attachment lists changes to the information provided in the current SE.

d. Summary Plan

There have been no changes to the information provided in the current SP.

Attachment lists changes to the information provided in the current SP.

2. Statement regarding whether Programs are Meeting their Goals

The programs are meeting their goals.

The programs are not meeting their goals. The discussion that follows in the analysis section below addresses the contingency measures that are being enacted to ensure compliance with PRC Section 41751 (i.e., specific steps are being taken by local agencies, acting independently and in concert with, to achieve the purposes of the California Integrated Waste Management Act of 1989) and whether the listed changes in program implementation necessitate a revision to one or more of the planning documents.

Analysis

The aforementioned changes in program implementation do not warrant a revision to any of the planning documents. While the changes do not require a revision, StopWaste tries to keep this document up to date and as current as possible and it is time to make a factual update to the document. Specifically, facts, demographic information and other factual changes have been made.

Changes in program implementation warrant a revision to one or more of the planning documents.

Additional Analysis (optional)

**Section 4.6 Changes in Available Markets for Recyclable Materials**

The County experienced changes in the following available markets for recyclable materials since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent):

Analysis

There are no significant changes in available markets for recycled materials to warrant a revision to any of the planning documents.  Changes in available markets for recycled materials warrant a revision to one or more of the planning documents.

Additional Analysis (optional)

While the China National Sword and the ban on materials do not have an impact on this report, The Agency recognizes the need to stay engaged and be proactive in addressing the issue. Local jurisdictions and the waste management and recycling industry in California are responding by taking steps to encourage waste prevention, reduce contamination of recyclable materials, and improve post-collection processing. StopWaste has convened a regional task force to share information, plan public outreach responses and produce recommendations for changes to local recycling programs. The task force includes recycled commodity brokers, local haulers/processors, facility operators and government officials.

#### **Section 4.7 Changes in the Implementation Schedule**

The following addresses changes to the County's implementation schedule that are not already addressed in Section 4.5:

##### Analysis

- There are no significant changes in the implementation schedule to warrant a revision to any of the planning documents.  Changes in the implementation schedule warrant a revision to one or more of the planning documents.

##### Additional Analysis (optional)

Note: Consider for each jurisdiction within the county or regional agency the changes noted in Sections 4.1 through 4.7 and explain whether the changes necessitate revisions to any of the jurisdictions' planning documents.

#### **SECTION 5.0 OTHER ISSUES OR SUPPLEMENTARY INFORMATION (optional)**

The following addresses any other significant issues/changes in the County and whether these changes affect the adequacy of the CIWMP to the extent that a revision to one or more of the planning documents is needed:

##### Analysis

#### **SECTION 6.0 ANNUAL REPORT REVIEW**

- The Annual Reports for each jurisdiction in the County have been reviewed, specifically those sections that address the adequacy of the CIWMP elements. No jurisdictions reported the need to revise one or more of these planning documents.
- The Annual Reports for each jurisdiction in the County have been reviewed, specifically those sections that address the adequacy of the CIWMP (or RAIWMP) elements. The following jurisdictions reported the need to revise one or more of these planning documents, as listed.

##### Analysis

#### **SECTION 7.0 REVISION SCHEDULE (if required)**